

ABSTRACT

Lithographic Apparatus and Device Manufacturing Method

5 In a lithographic projection apparatus and a device manufacturing method, a movable
part is controlled to produce a motion, an absolute value of at least one of a fourth and a higher
derivative to time of the position of the motion being limited to less than a maximal value.
Specifying at least one of a fourth and a higher derivative to time of the position may help to
improve settling behavior to obtain more accurate positioning. Further, a movable part may be
10 controlled to produce an acceleration of the movable part having a high at least one of a third
and a higher derivative to time of the position of the motion at a start portion of the
acceleration and a corresponding low at least one of a third and a higher derivative to time of
the position of the motion at an end portion of the acceleration, the absolute value of the high
at least one of the third and the higher derivative to time of the position of the motion being
15 larger than the absolute value of the corresponding low at least one of the third and the higher
derivative to time of the position of the motion.